

September 11, 1986

TO: Board of Oil, Gas and Mining

THRU: Kenneth E. May, Associate Director, Mining

THRU: Lowell P. Braxton, Administrator, Mineral Resource Development  
and Reclamation Program

FROM: D. Wayne Hedberg, Permit Supervisor/Reclamation Hydrologist

RE: M. C. Godbe, III, Sevier Dry Lake Project, Notice of Tentative  
Approval, Public Notice and Executive Summary, PRO/027/008,  
Millard County, Utah

Attached for your information is a copy of the tentative approval, public notice and an executive summary for the mine project identified above. A tentative approval was forwarded to Mr. Murray C. Godbe on July 22, 1986 for the Sevier Dry Lake Project. Public notice has been forwarded to the appropriate news services, and the thirty (30) day public comment period for the proposed activities ended on September 5, 1986. No comments were received by the Division during that period.

The Division seeks the Board's concurrence on the amount and form of surety to be presented by Mr. Godbe and associates for this project. Please refer to the attached documents for a general description of the project.

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Attachments  
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Surface Water Description: Sevier River drains into the lake basin from the north  
There are a few ephemeral drainages associated with the proposed borrow area of  
dike fill materials.

Water Monitoring Plan: None proposed as there are no surface or ground water  
resources to be impacted by the proposed project.

Ecology:

Vegetation Type(s): Native rangeland consisting of mixed shrub, grasses and forbes  
(shadscale, fringed sage, green rabbitbrush, broom snakeweed, globemallow, crested  
wheatgrass, needle & thread grass, indian ricegrass, cheatgrass, halogeton,  
horehound species, ephedra species, mustard species, etc.)

Percent Surrounding Vegetative Cover: @35% for borrow area

Wildlife Concerns: minimal concerns, limited wildlife use, no T & E species

Surface Facilities: Developmental phase - upgrading and construction of @ 2 miles  
of access road. Construction of earthen dike across lake bed at narrowest point.  
Dike @4.0 miles in length, 15 foot crest width, 8-10 foot height, wooden weir with  
control gate shutoffs to 48" culverts. Fill obtained from borrow area of state  
mineral lease (20) acres. Temporary small construction camp with attendant  
facilities associated with dike development.

Mining and Reclamation Plan Summary: see attached summary

Surety:

Amount: \$65,000 (for preliminary developmental phase)

Form: Bond

Renewable Term: 5 year (1991 dollars)

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EXECUTIVE SUMMARY - NEW PERMIT TO COMMENCE MINING  
(September 11, 1986)

Mine Name: <u>Sevier Dry Lake Project</u>	I. D. No.: <u>PRO/027/008</u>
Operator: <u>Murray C. Godbe, III</u>	County: <u>Millard</u>
<u>1012 Newhouse Building</u>	New/Existing: <u>New</u>
<u>Salt Lake City, Utah 84111</u>	Mineral Ownership: <u>State &amp; BLM</u>
Telephone: <u>801-532-2506</u>	Surface Ownership: <u>State &amp; BLM</u>
Contact Person: <u>Mr. Murray C. Godbe</u>	Lease No.(s): <u>UT860302-020,</u>
	<u>U-37866, U-37867, U-37868, U-37889</u>

Life of Mine: Developmental Phase =6-8 mth. Permit Term: 5 yr.

Legal Description: Prtns. of Sec's 19, 29, 30 and N1/2 NE1/4 NW1/4, State Sec. 32, T22S, R11W, Prtns. of Sec's 13, 14, 24, T22S, R12W, and Sec's 6 & 7, T23S, R11W.

Mineral(s) to be Mined: None at this time, future solar evaporation ponds proposed with potassium and assoc. mineral salts to be recovered.

Mining Methods: Surface Mining, Front-end loaders, scrapers, etc.

Acres to be Disturbed: @43 Acres - Phase I Dike Construction Activities (@20 Acres State land & @23 Acres Federal BLM land.

Present Land Use: Wildlife, livestock grazing and mining

Postmining Land Use: Native rangeland, wildlife, grazing

Variances from Reclamation Standards (Rule M-10) Granted: M-10(14) Soils, topsoil and subsoils will not be separated, but stockpiled together.

Soils and Geology:

Soil Description: Typic Calciorthids-Typic Torriorthents, 0-6" (sandy loam), 6-43"(loam), 43-48" (silty clam loam), 48-60" (clay)

pH: 8.1 (0-6"), 7.7 (6-43"), 7.5 (43-48"), 7.6 (48-60")

Special Handling Problems: Low erosion hazard, relatively flat topography, the topsoil and subsoil will be stockpiled together

Geology Description: West flank, Cricket Mtns. colluvial/alluvial bench gravels, Sevier Lake Basin, dry playa surface (historically), (Quaternary/late Pleistocene) Lake Bonneville alluvial sediments, further underlain by (Tertiary volcanics) of basalt, andesite, latite and rhyolite.

Hydrology:

Ground Water Description: Ground water in the area consist of localized perched aquifers and water table conditions associated with the fluctuating lake level. These limited sources are succeeded in depth by entrapped concentrated brine layers beneath the Sevier lake bed. No groundwater is anticipated to be encountered or impacted by the shallow excavations associated with activities in the borrow area or dike construction.